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| **Use Case** | Divide Two Numbers |
| **Summary** | The user divides two numbers on the calculator. |
| **Actor** | User |
| **Trigger** | None |
| **Primary Scenario** | 1. The user enters a number (A) by clicking the digit (‘0’-‘9’) and decimal point (‘.’) buttons. The number is displayed. 2. The user clicks the ‘÷’button. The number remains unchanged on the display. 3. The user enters a second number (B) by clicking the digit (‘0’-‘9’) and decimal point (‘.’) buttons. The number is displayed. 4. [The user clicks another operator button. See **Can Chain Multiple Operators Use Case Description**.] 5. The user clicks the ‘=’ button. 6. The correct total (A+B) from the addition of the two numbers is displayed. **[Exceptional Scenario: Divide by zero]** |
| **Alternative Scenario** | None |
| **Exceptional Scenario** | **Divide by Zero**   1. [The number B is zero.] Display is set to ‘error’. |
| **Pre-Conditions** | The calculator is in its initial state (or just cleared). |
| **Post-Conditions** | None |
| **Assumptions** | None |